

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 January 2004 (22.01.2004)

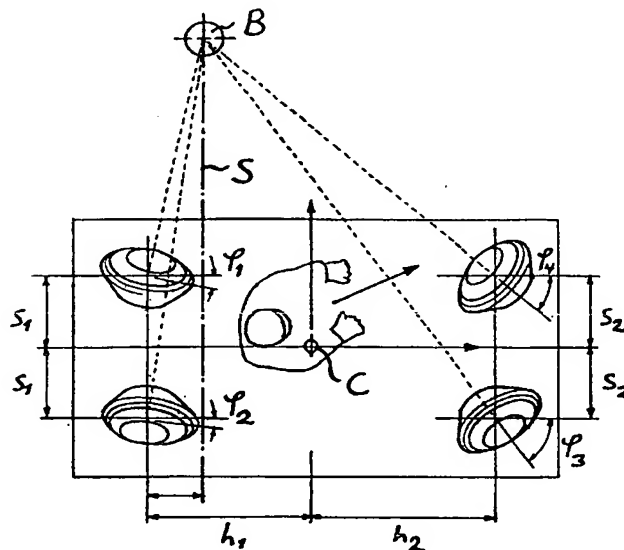
PCT

(10) International Publication Number
WO 2004/007262 A1

- (51) International Patent Classification⁷: B62D 15/00, B66F 9/06 // G06F 9/00
- (21) International Application Number: PCT/SE2003/001073
- (22) International Filing Date: 23 June 2003 (23.06.2003)
- (25) Filing Language: Swedish
- (26) Publication Language: English
- (30) Priority Data: 0202208-5 15 July 2002 (15.07.2002) SE
- (71) Applicants (for US only): DAHLSTRÖM Magnus (heir of the deceased inventor) [SE/SE]; Fjallgatan 22, SE-116 28, Stockholm (SE). VIKTORSSON Lisa (heir of the deceased inventor) [SE/SE]; Bergmansgatan 20, SE-983 35, Malmberget (SE). DAHLSTRÖM Johanna (heir of the deceased inventor) [SE/SE]; Centralvagen 3, 3tr, SE-186 31, Vallentuna (SE). DAHLSTRÖM SARA (heir of the deceased inventor) [SE/SE]; Dalbovagen 4 B, SE-191 45, Sollentuna (SE).
- (71) Applicant and
(72) Inventor: SEGERLJUNG, Max [SE/SE]; Penglund 112, S-911 94 Vännäs (SE).
- (72) Inventor: DAHLSTRÖM, Kurt (deceased).
- (74) Agents: OLSSON, Jan et al.; Bjerkéns Patentbyrå KB, Box 1274, S-801 37 Gävle (SE).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: A VEHICLE AND A METHOD FOR CONTROLLING STEERING THEREOF



(57) Abstract A vehicle comprises a regulation device for ordering of movements of the vehicle (1) in a horizontal plane and a control device with a calculation unit arranged to produce signals to control the control and drive means of the vehicle's wheels. The regulation device is arranged to, on request of a change of the vehicle's direction in the horizontal plane, order a location for a turning point of the vehicle located anywhere in the horizontal plane. The control device's calculation unit is designed to calculate the desired value of the respective wheel's angular alignment relative to a lengthwise axis of the vehicle corresponding to the turning point as ordered by the regulation device and send signals to the control means so as to achieve that

BEST AVAILABLE COPY